Index of Authors

Aboaba, O.O. *see* Pascual, C.
Adamovich, D.A. *see* Jarvis, G.N.
Adams, A. *see* Vatsos, I.N.
Ahuja, S.K. *see* Ferreira, G.M.
Akhurst, R.J. *see* Beard, C.E.
Ali, Z. *see* Pavey, K.D.
Andersen, J.S. *see* Heuer, O.E.
Andrighetto, C., Zampese, L. & Lombardi, A. Biodecolourization screening of synthetic dyes by four white-rot fungi in a solid medium: possible role of siderophores, 26
Antal, Z. *see* Kredics, L.
Applegate, R.D. *see* Deboer, L.R.
Araújo, R.A.C. *see* Guerra, J.B.
Araújo, W.L. *see* Lacava, P.T.
Arthurs, C.E. *see* Jarvis, G.N.
Artolozaga, I. *see* Ayo, B.
Atabay, H.I. & Aydin, F. Susceptibility of *Arcobacter butzleri* isolates to 23 antimicrobial agents, 430
Aydin, F. *see* Atabay, H.I.
Ayo, B., Santamaría, E., Latatu, I., Artolozaga, I., Azúa, J. & Iriberri, J. Grazing rates of diverse morphotypes of bacterivorous ciliates feeding on four allochthonous bacteria, 455
Azad, S.A., Vikineswary, S., Ramachandran, K.B. & Chong, V.C. Growth and production of biomass of *Rhodovulum sulfidophilum* in sardine processing wastewater, 264
Azanza, M.P.V., Azanza, R.V., Gedaria, A.I., Sententa, H.G. & Idjao, M.V. Decimal reduction times of *Pyrodinium bahamense* var. *compressum* and *Escherichia coli* in chlorine- and ultraviolet-treated seawater, 371
Azanza, R.V. *see* Azanza, M.P.V.
Azevedo, J.L. *see* Lacava, P.T.
Azúa, J. *see* Ayo, B.

Bacchiocchi, I. *see* Ottaviani, D.
Bagnara, A. *see* Criseo, G.
Balebona, M.C. *see* Zorrilla, I.
Ball, H.J. *see* Dundee, L.
Ball, H.J. *see* Whan, L.B.
Barnes, L.-M. *see* Pavey, K.D.
Basílico, J.C. *see* Cazzaniga, D.
Beard, C.E., Ranasinghe, C. & Akhurst, R.J. Screening for novel *cry* genes by hybridization, 241
Beiwl, C. *see* Farnleitner, A.H.
Bettelheim, K.A. Development of a rapid method for the detection of verocytotoxin-producing *Escherichia coli* (VTEC), 31
Bhosale, P. & Gadre, R.V. A coelectroporation method for the isolation of cryptic plasmids from *Lactococcus lactis*, 12
Bi, Y. *see* Xian, M.
Birch, L., Dawson, C.E., Cornett, J.H. & Keer, J.T. A comparison of nucleic acid amplification techniques for the assessment of bacterial viability, 296
Bisignano, G. *see* Criseo, G.
Blackall, P.J. *see* Miflin, J.K.
Blanch, A.R., Cerdà-Cuéllar, M. & Hispano, C. Diversity of *Vibrio* spp. populations in several exhibition aquaria with a shared water supply, 137
Bonadè, A., Murelli, F., Vescovo, M. & Solari, G. Partial characterization of a bacteriocin produced by *Lactobacillus helveticus*, 153
Bonomo, R.A. *see* Donskey, C.J.
Borges, A.C. *see* Sakiyama, C.C.H.
Bromberg, N. & Durán, N. Violacein biotransformation by basidiomycetes and bacteria, 316
Brovko, L. *see* Wu, Y.

Cabo, M.L., Murado, M.A., Gonzalez, M.aP., Vazquez, J.A. & Pastoriza, L. An empirical model for describing the effects of nitrogen sources on nisin production, 425
Carlos Roseiro, J. *see* Serrano, I.
Carraturo, A. *see* Ottaviani, D.
Carrau, C. *see* González, A.
Cazzaniga, D., Basílico, J.C., González, R.J., Torres, R.L. & De Greef, D.M. Mycotoxins inactivation by extrusion cooking of corn flour, 144
Cerdà-Cuéllar, M. *see* Blanch, A.R.
Cesario, T. *see* Lee, Y.-L.
Chang, Y.-C. *see* Su, J.-J.
Chang, Y.J. *see* Ho, C.M.
Cheun, H.I. *see* Makino, S.-I.
Chong, V.C. *see* Azad, S.A.
Coffey, A. *see* Trotter, M.
Corneau, N., Dubé, C., Lapointe, G. & Émond, É. Instructions for authors, 7
Cornett, J.H. *see* Birch, L.
Cove, J.H. *see* Day, A.M.
Criseo, G., Bagnara, A. & Bisignano, G. Differentiation of aflatoxin-producing and non-producing strains of *Aspergillus flavus* group, 291
Croci, L. *see* De Medici, D.
Crowe, M.J. *see* Moore, J.E.
Crupper, S.S. *see* Deboer, L.R.
Cutter, C.N., Willett, J.L. & Siragusa, G.R. Improved antimicrobial activity of nisin-incorporated polymer films by formulation change and addition of food grade chelator, 325

Das, S.M. *see* Donskey, C.J.
Dawson, C.E. *see* Birch, L.

Day, A.M., Sandoe, J.A.T., Cove, J.H. & Phillips-Jones, M.K. Evaluation of a biochemical test scheme for identifying clinical isolates of *Enterococcus faecalis* and *Enterococcus faecium*, 392
De Boever, P., Wouters, R. & Verstraete, W. Combined use of *Lactobacillus reuteri* and soygerm powder as food supplement, 420
De Greef, D.M. *see* Cazzaniga, D.
De Leij, F.A.A.M. *see* Sokhn, J.
De Medici, D., Croci, L., Di Pasquale, S., Fiore, A. & Toti, L. Detecting the presence of infectious hepatitis A virus in molluscs positive to RT-nested-PCR, 362
De Moraes, S.G. *see* Minussi, R.C.
De Souza, R.A. *see* Ramos, J.P.
Deboer, L.R., Slaughter, D.M., Applegate, R.D., Sobieski, R.J. & Crupper, S.S. Antimicrobial susceptibility of staphylococci isolated from the faeces of wild turkeys (*Meleagris gallopavo*), 382
Decker, E.-M. The ability of direct fluorescence-based two-colour assays to detect different physiological states of oral streptococci, 188
Delignette-Muller, M.-L. *see* Gonthier, A.
Delmas, F. *see* Morel, F.
Dery, M. *see* Donskey, C.J.
Deshpande, N.M., Dhakephalkar, P.K. & Kanekar, P.P. Plasmid-mediated dimethoate degradation in *Pseudomonas aeruginosa* MCMB-427, 275
Dhakephalkar, P.K. *see* Deshpande, N.M.
Di Pasquale, S. *see* De Medici, D.
Diviès, C. *see* Morel, F.
Donskey, C.J., Hoyen, C.K., Das, S.M., Farmer, S., Dery, M. & Bonomo, R.A. Long-term preservation of strains of *Burkholderia cepacia* spp. and *Strenotrophomonas maltophilia* isolated from patients with cystic fibrosis, 84
Dragon, D.C. & Rennie, R.P. Evaluation of spore extraction and purification methods for selective recovery of viable *Bacillus anthracis* spores, 100
Dubé, C. *see* Corneau, N.
Dundee, L., Grant, I.R., Ball, H.J. & Rowe, M.T. Comparitive evaluation of four decontantamination protocols for the isolation of *Mycobacterium avium* subsp. *paratuberculosis* from milk, 173
Durán, N *see* Bromberg, N.
Durán, N. *see* Minussi, R.C.
Dušková, D. & Marounek, M. Fermentation of pectin and glucose, and activity of pectin-degrading enzymes in the rumen bacterium *Lachnospira multiparus*, 159

Elborn, J.S. *see* Moore, J.E.
Émond, É. *see* Corneau, N.

Farmer, S. *see* Donskey, C.J.
Farnleitner, A.H., Hocke, L., Beiwl, C., Kavka, G.G., Zechmeister, T., Kirschner, A.K.T. & Mach, R.L. Rapid enzymatic detection of *Escherichia coli* contamination in polluted river water, 246
Fenwick, S.G. *see* Hussein, H.M.
Ferreira, G.M., Ahuja, S.K., Sierks, M.R. & Moreira, A.R. Effect of *trans*-2-hexenal on the growth of *Aspergillus flavus* in relation to its concentration, temperature and water activity, 56
Fields, M.W. *see* Jarvis, G.N.
Fiore, A. *see* De Medici, D.
Fitzgerald, G.F. *see* Trotter, M.
Franco, M.A. *see* Friedman, L.E.
Friedman, L.E., Passerini De Rossi, B.N., Messina, M.T. & Franco, M.A. Phenotype evaluation of *Bordetella bronchiseptica* cultures by urease activity and Congo red affinity, 285
Frost, A. *see* Harris, I.
Fu, T. *see* Stewart, D.
Fung, D.Y.C. *see* Pailin, T.

Gadre, R.V. *see* Bhosale, P.
Gaggero, C. *see* González, A.
Galabova, D. *see* Vasileva-Tonkova, E.
Gallego, F.J. *see* Pérez, M.A.
Galvin, M. *see* Morgan, S.M.
Gardini, F., Lanciotti, R. & Guerzoni, M.E. Detection of extracellular bound proteinase in EPS-producing lactic acid bacteria cultures on skim milk agar, 50
Gedaria, A.I. *see* Azanza, M.P.V.
Giammarioli, M. *see* Ottaviani, D.
Gilmour, A. *see* Norwood, D.E.
Giraffa, G. *see* Guarneri, T.
Gonthier, A., Guérin-Faublée, V., Tilly, B. & Delignette-Muller, M.-L. Optimal growth temperature of O157 and non-O157 *Escherichia coli* strains, 352
González, A., Techera, S., Jubany, F.M., Carrau, C. & Gaggero, C. Correlation between medium acidification and pathogenicity in environmental halophilic non-cholera vibrios, 71
Gonzalez, M.aP. *see* Cabo, M.L.
González, R.J. *see* Cazzaniga, D.
Gould, F.K. *see* James, A.L.
Grant, I.R. *see* Dundee, L.
Grant, I.R. *see* Whan, L.B.
Griffith, C.J. *see* Harrison, W.A.
Griffiths, M.W. *see* Wu, Y.

Guarneri, T., Rossetti, L. & Giraffa, G. Rapid identification of *Lactobacillus brevis* using the polymerase chain reaction, 377
Guerin, T.F. Co-composting of pharmaceutical wastes in soil, 256
Guérin-Faublée, V. *see* Gonthier, A.
Guerra, J.B., Araújo, R.A.C., Pataro, C., Moreira, G.R., Mendonça-Hagler, E.S.A. & Rosa, L.C. Genetic diversity of *Saccharomyces cerevisiae* strains during the 24 h fermentative cycle for the production of the artisanal Brazilian *cachaça*, 106
Guerzoni, M.E. *see* Gardini, F.
Guzzo, J. *see* Morel, F.

Hanlon, G.W. *see* Pavey, K.D.
Harris, I., Henry, D.P. & Frost, A. The effect of volatile fatty acids in acidified fermented piggery effluent on shiga-toxigenic and non-toxic resident strains of *Escherichia coli*, 415
Harrison, W.A., Griffith, C.J., Tennant, D. & Peters, A.C. Incidence of *Campylobacter* and *Salmonella* isolated from retail chicken and associated packaging in South Wales, 450
Hart, T.D. *see* Sokhn, J.
Henry, D.P. *see* Harris, I.
Heuer, O.E., Pedersen, K., Andersen, J.S. & Madsen, M. Prevalence and antimicrobial susceptibility of thermophilic *Camplyobacter* in organic and conventional broiler flocks, 269
Hidalgo, P. *see* Pérez, M.A.
Hill, C. *see* Morgan, S.M.
Hispano, C. *see* Blanch, A.R.
Ho, C.M., Tseng, S.K. & Chang, Y.J. Autotrophic denitrification via a novel membrane-attached biofilm reactor, 201
Hocke, L. *see* Farnleitner, A.H.
Hoyen, C.K. *see* Donskey, C.J.
Hussein, H.M., Fenwick, S.G. & Lumsden, J.S. A rapid and sensitive method for the detection of *Yersina enterocolitica* strains from clinical samples, 445
Hwang, H.J. *see* Park, J.P.

Idachaba, M.A. & Rogers, P.L. Immunomagnetic separation of *Escherichia coli* O26, O111 and O157 from vegetables, 40
Idjao, M.V. *see* Azanza, M.P.V.
Ingham, S.C. *see* Lau, M.M.
Inoue, K. *see* Sugiyama, K.
Iriberri, J. *see* Ayo, B.

James, A.L., Perry, J.D., Jay, C., Monget, D., Rasburn, J.W. & Gould, F.K. Fluorogenic substrates for the detection of microbial nitroreductases, 403
Jarvis, G.N., Fields, M.W., Adamovich, D.A., Arthurs, C.E. & Russell, J.B. The mechanism of carbonate killing of *Escherichia coli,* 196
Jay, C. *see* James, A.L.
Jensen, N., Varelis, P. & Whitfield, F.B. Formation of guaiacol in chocolate milk by the psychrotrophic bacterium *Rahnella aquatilis*, 339
Jobin, M.-P. *see* Morel, F.
Jr., J.L. *see* Lacava, P.T.
Jubany, F.M. *see* González, A.

Kanekar, P.P. *see* Deshpande, N.M.
Kang, D.H. & Siragusa, G.R. A rapid twofold dilution method for microbial enumeration and resuscitation of uninjured and sublethally injured bacteria, 232
Kang, D.H. *see* Pailin, T.
Kang, Y. *see* Xian, M.
Karpenko, E. *see* Vasileva-Tonkova, E.
Karunasagar, I. *see* Sanath, H.
Karunasagar, I. *see* Sanath, H.
Kavka, G.G. *see* Farnleitner, A.H.
Keer, J.T. *see* Birch, L.
Kielemoes, J. & Verstraete, W. Influence of copper-alloying of austenitic stainless steel on multi-species biofilm development, 148
Kim, S.W. *see* Park, J.P.
Kirschner, A.K.T. *see* Farnleitner, A.H.
Kneifel, W. *see* Mitterdorfer, G.
Kredics, L., Antal, Z., Manczinger, L. & Nagy, E. Breeding of mycoparasitic *Trichoderma* strains for heavy metal resistance, 112
Kumar, S.K. *see* Sanath, H.

Lacava, P.T., Araújo, W.L., Maccheroni, W., Jr., J.L. & Azevedo, J.L. RAPD profile and antibiotic susceptibility of *Xylella fastidiosa*, causal agent of citrus variegated chlorosis, 302
Lanciotti, R. *see* Gardini, F.
Lang, M.M. Differentiation of *Enterococcus* spp. by cell membrane fatty acid methyl ester profiling, biotyping and ribotyping, 65
Lapointe, G. *see* Corneau, N.
Latatu, I. *see* Ayo, B.
Lau, M.M. & Ingham, S.C. Survival of faecal indicator bacteria in bovine manure incorporated into soil, 131

Lee, Y.-L., Thrupp, L., Owens, J., Cesario, T. & Shanbrom, E. Bactericidal activity of citrate against Gram-positive cocci, 349
Leoncini, O. *see* Ramos, J.P.
Little, C.L. *see* Sagoo, S.K.
Liu, B.-Y. *see* Su, J.-J.
Liu, J. *see* Xian, M.
Liu, Q.-S. *see* Tay, J.-H.
Liu, Y. *see* Tay, J.-H.
Lo, H.S. *see* Wang, P.-H.
Lombardi, A. *see* Andrighetto, C.
Lopes Da Silva, T. *see* Serrano, I.
Lumsden, J.S. *see* Hussein, H.M.
Lynch, J.M. *see* Sokhn, J.

Maccheroni, W. *see* Lacava, P.T.
Mach, R.L. *see* Farnleitner, A.H.
Mackey, B.M. *see* Pascual, C.
Madsen, M. *see* Heuer, O.E.
Makino, S.-I., Cheun, H.I., Watarai, M., Uchida, I. & Takeshi, K. Detection of anthrax spores from the air by real-time PCR, 237
Manczinger, L. *see* Kredics, L.
Manian, S., Sreenivasaprasad, S. & Mills, P.R. DNA extraction method for PCR in mycorrhizal fungi, 307
Marounek, M. *see* Dušková, D.
Martínez, I. *see* Pérez, M.A.
Masini, L. *see* Ottaviani, D.
Mendonça-Hagler, E.S.A. *see* Guerra, J.B.
Messina, M.T. *see* Friedman, L.E.
Miflin, J.K. & Blackall, P.J. Development of a 23S rRNA-based PCR assay for the identification of *Pasteurella multocida*, 216
Mills, P.R. *see* Manian, S.
Mills, S. *see* Trotter, M.
Minussi, R.C., De Moraes, S.G., Pastore, G.M. & Durán, N. A microwave-based method for nucleic acid isolation from environmental samples, 21
Mitchell, R.T. *see* Sagoo, S.K.
Mitterdorfer, G., Kneifel, W. & Viernstein, H. Utilization of prebiotic carbohydrates by yeasts of therapeutic relevance , 251
Monget, D. *see* James, A.L.
Moore, J.E., Shaw, A.B., Stanley, T., Crowe, M.J. & Elborn, J.S. Optimization of submerged culture conditions for the mycelial growth and exo-biopolymer production by *Cordyceps militaris*, 82
Moreira, A.R. *see* Ferreira, G.M.
Moreira, G.R. *see* Guerra, J.B.
Morel, F., Delmas, F., Jobin, M.-P., Diviès, C. & Guzzo, J. Improved acid tolerance of a recombinant strain of *Escherichia coli* expressing genes from the acidophilic bacterium *Oenococcus oeni*, 126
Morgan, S.M., Galvin, M., Ross, R.P. & Hill, C. Evaluation of a spray-dried lacticin 3147 powder for the control of *Listeria monocytogenes* and *Bacillus cereus* in a range of food systems, 387
Moriñigo, M.A. *see* Zorrilla, I.
Murado, M.A. *see* Cabo, M.L.
Murelli, F. *see* Bonadè, A.

Nagayama, M., Sato, M., Yamaguchi, R., Tokuda, C. & Takeuchi, H. Evaluation of co-aggregation among *Streptococcus mitis, Fusobacterium nucleatum* and *Porphyromonas gingivalis*, 122
Nagy, E. *see* Kredics, L.
Norwood, D.E. & Gilmour, A. The differential adherence capabilities of two *Listeria monocytogenes* strains in monoculture and multispecies biofilms as a function of temperature, 320

Ocio, M.J. *see* Pascual, C.
Olliff, C.J. *see* Pavey, K.D.
Orsini, M. & Romano-Spica, V. Optimization of carotenoid production from hyper-producing *Rhodotorula glutinis* mutant 32 by a factorial approach, 17
Otta, I. *see* Sanath, H.
Ottaviani, D., Bacchiocchi, I., Masini, L., Carraturo, A., Russo, G.L., Giammarioli, M. & Sbaraglia, G. Pleomorphism of the marine bacterium *Teredinobacter turnirae*, 61
Owens, J. *see* Lee, Y.-L.

Pailin, T., Kang, D.H., Schmidt, K. & Fung, D.Y.C. Production of mutants of *Bacillus sphaericus* 2362 in continuous culture, 45
Park, J.P. *see* Yun, J.W.
Park, J.P., Kim, S.W., Hwang, H.J. & Yun, J.W. Differentiation of industrial wine yeast strains using microsatellite markers, 76
Pascual, C., Robinson, T.P., Ocio, M.J., Aboaba, O.O. & Mackey, B.M. The effect of inoculum size and sublethal injury on the ability of *Listeria monocytogenes* to initiate growth under suboptimal conditions, 357
Passerini De Rossi, B.N. *see* Friedman, L.E.
Pastore, G.M. *see* Minussi, R.C.
Pastoriza, L. *see* Cabo, M.L.
Pataro, C. *see* Guerra, J.B.
Pattison, T.-L. & Von Holy, A. Effect of selected natural antimicrobials on Baker's yeast activity, 211

Paul, F. *see* Pavey, K.D.
Paula, E.M. *see* Sakiyama, C.C.H.
Pavey, K.D., Barnes, L.-M., Hanlon, G.W., Olliff, C.J., Ali, Z. & Paul, F. A rapid, non-destructive method for the determination of *Staphylococcus epidermidis* adhesion to surfaces using quartz crystal resonant sensor technology, 344
Pedersen, K. *see* Heuer, O.E.
Percira, P.C. *see* Sakiyama, C.C.H.
Pérez, M.A., Gallego, F.J., Martínez, I. & Hidalgo, P. Detection, distribution and selection of microsatellites (SSRs) in the genome of the yeast *Saccharomyces cerevisiae* as molecular markers, 461
Perry, J.D. *see* James, A.L.
Peters, A.C. *see* Harrison, W.A.
Phillips-Jones, M.K. *see* Day, A.M.

Ramachandran, K.B. *see* Azad, S.A.
Ramos, J.P., Valente, P., De Souza, R.A., Rosa, C.A. & Leoncini, O. Heteroduplex mobility assay of the D1/D2 region of the 26S rDNA for differentiation of *Saccharomyces* species, 206
Ranasinghe, C. *see* Beard, C.E.
Rasburn, J.W. *see* James, A.L.
Reineke, K. *see* Stewart, D.
Rennie, R.P. *see* Dragon, D.C.
Robinson, T.P. *see* Pascual, C.
Rogers, P.L. *see* Idachaba, M.A.
Romano-Spica, V. *see* Orsini, M.
Rosa, C.A. *see* Ramos, J.P.
Rosa, L.C. *see* Guerra, J.B.
Ross, R.P. *see* Morgan, S.M.
Ross, R.P. *see* Trotter, M.
Rossetti, L. *see* Guarneri, T.
Rowe, M.T. *see* Dundee, L.
Rowe, M.T. *see* Whan, L.B.
Russell, J.B. *see* Jarvis, G.N.
Russo, G.L. *see* Ottaviani, D.

Šafarík, I. *see* Šafaríková, M.
Šafaríková, M. & Šafarík, I. RAPD-PCR characterization of lactobacilli isolated from artisanal meat plants and traditional fermented sausages of Veneto region (Italy), 36
Sagoo, S.K., Little, C.L. & Mitchell, R.T. The microbiological examination of ready-to-eat organic vegetables from retail establishments in the United Kingdom, 434
Sakazaki, R. *see* Sugiyama, K.
Sakiyama, C.C.H., Paula, E.M., Pereira, P.C., Borges, A.C. & Silva, D.O. Characterization of pectin lyase produced by an endophytic strain isolated from coffee cherries, 117
Sanath, H., Kumar, S.K., Otta, I., Karunasagar, I. & Karunasagar, I. Detection of Shiga-toxigenic *Escherichia coli* (STEC) in fresh seafood and meat marketed in Mangalore, India by PCR, 334
Sandoe, J.A.T. *see* Day, A.M.
Santamaría, E. *see* Ayo, B.
Sato, M. *see* Nagayama, M.
Sbaraglia, G. *see* Ottaviani, D.
Schmidt, K. *see* Pailin, T.
Scott, R. *see* Whan, L.B.
Sententa, H.G. *see* Azanza, M.P.V.
Serrano, I., Lopes Da Silva, T. & Carlos Roseiro, J. Effect of oral *Bacillus coagulans* administration on the density of vancomycin-resistant enterococci in the stool of colonized mice, 89
Shanbrom, E. *see* Lee, Y.-L.
Shaw, A.B. *see* Moore, J.E.
Shulga, A. *see* Vasileva-Tonkova, E.
Sierks, M.R. *see* Ferreira, G.M.
Silva, D.O. *see* Sakiyama, C.C.H.
Siragusa, G.R. *see* Cutter, C.N.
Siragusa, G.R. *see* Kang, D.H.
Slaughter, D.M. *see* Deboer, L.R.
Sobieski, R.J. *see* Deboer, L.R.
Sokhn, J., De Leij, F.A.A.M., Hart, T.D. & Lynch, J.M. Effect of copper on the degradation of phenanthrene by soil micro-organisms, 164
Solari, G. *see* Bonadè, A.
Sreenivasaprasad, S. *see* Manian, S.
Stanley, T. *see* Moore, J.E.
Stewart, D., Reineke, K., Ulaszek, J., Fu, T. & Tortorello, M. Growth of *Escherichia coli* O157:H7 during sprouting of alfalfa seeds, 95
Strohfus, B. *see* West, T.P.
Su, J.-J., Liu, B.-Y. & Chang, Y.-C. Identifying an interfering factor on chemical oxygen demand (COD) determination in piggery wastewater and eliminating of the factor by an indigenous *Pseudomonas stutzeri* strain, 440
Sugiyama, K., Inoue, K. & Sakazaki, R. Mitomycin-supplemented washed blood agar for the isolation of Shiga toxin-producing *Escherichia coli* other than O157:H7, 193

Takeshi, K *see* Makino, S.-I.
Takeuchi, H. *see* Nagayama, M.
Tay, J.-H., Liu, Q.-S. & Liu, Y. The role of cellular polysaccharides in the formation and stability of aerobic granules, 222
Techera, S. *see* González, A.
Tennant, D. *see* Harrison, W.A.

Thompson, K.D. *see* Vatsos, I.N.
Thrupp, L. *see* Lee, Y.-L.
Tilly, B. *see* Gonthier, A.
Tokuda, C. *see* Nagayama, M.
Torres, R.L. *see* Cazzaniga, D.
Tortorello, M. *see* Stewart, D.
Toti, L. *see* De Medici, D.
Trotter, M., Mills, S., Ross, R.P., Fitzgerald, G.F. & Coffey, A. The use of cadmium resistance on the phage-resistance plasmid pNP40 facilitates selection for its horizontal transfer to industrial dairy starter lactococci , 409
Tseng, S.K. *see* Ho, C.M.

Uchida, I. *see* Makino, S.-I.
Ulaszek, J. *see* Stewart, D.

Valente, P. *see* Ramos, J.P.
Varelis, P. *see* Jensen, N.
Vasileva-Tonkova, E., Galabova, D., Karpenko, E. & Shulga, A. Biosurfactant-rhamnolipid effects on yeast cells, 280
Vatsos, I.N., Thompson, K.D. & Adams, A. Adhesion of the fish pathogen *Flavobacterium psychrophilum* to unfertilized eggs of rainbow trout (*Oncorhynchus mykiss*) and n-hexadecane, 178
Vazquez, J.A. *see* Cabo, M.L.
Verstraete, W. *see* De Boever, P.
Verstraete, W. *see* Kielemoes, J.
Vescovo, M. *see* Bonadè, A.
Viernstein, H. *see* Mitterdorfer, G.
Vikineswary, S. *see* Azad, S.A.
Von Holy, A. *see* Pattison, T.-L.

Wang, P.-H., Lo, H.S. & Yeh, Y. Identification of *F.o. cucumerinum* and *F.o. luffae* by RAPD-generated probes, 397
Watarai, M. *see* Makino, S.-I.
West, T.P. & Strohfus, B. Polysaccharide production by a reduced pigmentation mutant of *Aureobasidium pullulans* NYS-1, 169
Whan, L.B., Grant, I.R., Ball, H.J., Scott, R. & Rowe, M.T. Bactericidal effect of chlorine on *Mycobacterium paratuberculosis* in drinking water, 227
Whitfield, F.B. *see* Jensen, N.
Willett, J.L. *see* Cutter, C.N.
Wouters, R. *see* De Boever, P.
Wu, Y., Brovko, L. & Griffiths, M.W. Influence of phage population on the phage-mediated bioluminescent adenylate kinase (AK) assay for detection of bacteria, 311

Xian, M., Yan, J., Kang, Y., Liu, J., Bi, Y. & Zhen, K. Production of γ-linolenic acid by *Mortierella isabellina* grown on hexadecanol, 367

Yamaguchi, R. *see* Nagayama, M.
Yan, J. *see* Xian, M.
Yeh, Y. *see* Wang, P.-H.
Yun, J.W. & Park, J.P. Utilization of chicory roots for microbial endoinulinase production, 183
Yun, J.W. *see* Park, J.P.

Zampese, L. *see* Andrighetto, C.
Zechmeister, T. *see* Farnleitner, A.H.
Zhen, K. *see* Xian, M.
Zorrilla, I., Balebona, M.C. & Moriñigo, M.A. Adaptation of an [3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide] assay to evaluate the cytotoxicity of the extracellular products of, 329

Index of Subjects

Acid tolerance genes from *O. oeni* (F. Morel, F. Delmas, M.-P. Jobin, C. Diviès & J. Guzzo) 126
Adherence of *Listeria monocytogenes* (D.E. Norwood & A. Gilmour) 320
Aflatoxin production by *A. flavus* strains (G. Criseo, A. Bagnara & G. Bisignano) 291
Antimicrobial effect on Baker's yeast (T.-L. Pattison & A. von Holy) 211
Antimicrobial susceptibility of *A. butzleri* isolates to 23agents (H.I. Atabay & F. Aydin) 430
Asporogenous mutants of *B. sphaericus* (M.A. Idachaba & P.L. Rogers) 40
Assay to evaluate the cytotoxicity of fish pathogens (I. Zorrilla, M.C. Balebona & M.A. Moriñigo) 329
Attachment of *Flavobacterium psychrophilum* (I.N. Vatsos, K.D. Thompson & A. Adams) 178
Autotrophic denitrification via a novel membrane-attached biofilm reactor (C.M. Ho, S.K. Tseng & Y.J. Chang) 201

Bactericidal activity of citrate (Y.-L. Lee, L. Thrupp, J. Owens, T. Cesario & E. Shanbrom) 349
Bacteriophage-resistant lactococci (M. Trotter, S. Mills, R.P. Ross, G.F. Fitzgerald & A. Coffey) 409
B. bronchiseptica phenotype evaluation (L.E. Friedman, B.N. Passerini de Rossi, M.T. Messina & M.A. Franco) 285
B. coagulans for VRE colonization (C.J. Donskey, C.K. Hoyen, S.M. Das, S. Farmer, M. Dery & R.A. Bonomo) 84
Bioactive lacticin 3147 powder (S.M. Morgan, M. Galvin, R.P. Ross & C. Hill) 387
Bioluminescent AK assay for detection of bacteria (Y. Wu, L. Brovko & M.W. Griffiths) 311
Biosurfactant effects on yeast cells (E. Vasileva-Tonkova, D. Galabova, E. Karpenko & A. Shulga) 280

Campylobacter and *Salmonella* on chicken and packaging (W.A. Harrison, C.J. Griffith, D. Tennant & A.C. Peters) 450
Camplyobacter in organic broiler flocks (O.E. Heuer, K. Pedersen, J.S. Andersen & M. Madsen) 269
Cellular polysaccharides in the formation and stability of aerobic granules (J.-H. Tay, Q.-S. Liu & Y. Liu) 222
Co-composting of pharmaceutical wastes (T.F. Guerin) 256
Comparison of amplification techniques (L. Birch, C.E. Dawson, J.H. Cornett & J.T. Keer) 296
Cotransformation by electroporation (N. Corneau, C. Dubé, G. LaPointe & É. Émond) 7
Cu and phenanthrene degradation (J. Sokhn, F.A.A.M. De Leij, T.D. Hart & J.M. Lynch) 164

DNA and RNA isolation by microwaves (M. Orsini & V. Romano-Spica) 17
Detecting infectious HAV (D. De Medici, L. Croci, S. Di Pasquale, A. Fiore & L. Toti) 362
Detection of *B. anthracis* in air (S.-I. Makino, H.I. Cheun, M. Watarai, I. Uchida & K. Takeshi) 237
Detection of extracellular bound proteinase (T. Pailin, D.H. Kang, K. Schmidt & D.Y.C. Fung) 45
Detection of STEC in seafood and meat (H. Sanath Kumar, S.K. Otta, I. Karunasagar & I. Karunasagar) 334
Detection of *Y. enterocolitica* (H.M. Hussein, S.G. Fenwick & J.S. Lumsden) 445
Dimethoate-degrading plasmid (N.M. Deshpande, P.K. Dhakephalkar & P.P. Kanekar) 275
Direct assays on bacterial states (E.-M. Decker) 188
Diversity of *Vibrio* in aquaria (A.R. Blanch, M. Cerdà-Cuéllar & C. Hispano) 137
Diversity of *Xylella fastidiosa* (P.T. Lacava, W.L. Araújo, W. Maccheroni Jr. & J.L. Azevedo) 302
DON and AFB1 inactivation by extrusion (D. Cazzaniga, J.C. Basílico, R.J. González, R.L. Torres & D.M. de Greef) 144
Dye decolorization by fungi (R.C. Minussi, S.G. de Moraes, G.M. Pastore & N. Durán) 21

E. coli O157:H7 in alfalfa sprouts (D. Stewart, K. Reineke, J. Ulaszek, T. Fu & M. Tortorello) 95
E. coli optimal temperature (A. Gonthier, V. Guérin-Faublée, B. Tilly & M.-L. Delignette-Muller) 352
Effects of ethanol *Mucor fragilis* CCMI 142 (I. Serrano, T. Lopes da Silva & J. Carlos Roseiro) 89
Effects of nitrogen sources on nisin production (M.L. Cabo, M.A. Murado, M.aP. Gonzalez, J.A. Vazquez & L. Pastoriza) 425
Effect of *trans*-2-hexenal on *A. flavus* in relation to its concentration, temperature and water activity (F. Gardini, R. Lanciotti & M.E. Guerzoni) 50
Elimination of nitrite by *Ps. stutzeri* strain (J.-J. Su, B.-Y. Liu & Y.-C. Chang) 440
Enterococcus identification (A.M. Day, J.A.T. Sandoe, J.H. Cove & M.K. Phillips-Jones) 392
Enterococcus spp. differentiation (M.M. Lang) 65
Exo-biopolymer production by *C. militaris* (J.P. Park, S.W. Kim, H.J. Hwang & J.W. Yun) 76

Faecal indicators in manure/soil (M.M. Lau & S.C. Ingham) 131
Fermented piggery effluent and shiga-toxigenic *E. coli* (I. Harris, D.P. Henry & A. Frost) 415

Genetic diversity of *Saccharomyces cerevisiae* (J.B. Guerra, R.A.C. Araújo, C. Pataro, G.R. Franco, E.S.A. Moreira, L.C. Mendonça-Hagler & C.A. Rosa) 106

Grazing rates of ciliates on bacteria (B. Ayo, E. Santamaría, Latatu, I. Artolozaga, I. Azúa & J. Iriberri) 455
Guaiacol in chocolate milk (N. Jensen, P. Varelis & F.B. Whitfield) 339

Halophilic vibrios pathogenicity (D. Ottaviani, I. Bacchiocchi, L. Masini, A. Carraturo, G.L. Russo, M. Giammarioli & G. Sbaraglia) 61
Heavy metal-resistant *Trichoderma* (L. Kredics, Z. Antal, L. Manczinger & E. Nagy) 112
Helveticin 51 from *Lactobacillus helveticus* (A. Bonadè, F. Murelli, M. Vescovo & G. Solari) 153

Identification of *Lact. brevis* (T. Guarneri, L. Rossetti & G. Giraffa) 377
IMS of *E. coli* O26, O111 and O157 (M. Šafaríková & I. Šafarík) 36
Inoculum size and growth of *L. monocytogenes* (C. Pascual, T.P. Robinson, M.J. Ocio, O.O. Aboaba & B.M. Mackey) 357
Isolation of Shiga toxin-producing *E. coli* (K. Sugiyama, K. Inoue & R. Sakazaki) 193

Lact. reuteri and soygerm powder as food supplement (P. De Boever, R. Wouters & W. Verstraete) 420

Mechanism of carbonate killing of *Escherichia coli* (G.N. Jarvis, M.W. Fields, D.A. Adamovich, C.E. Arthurs & J.B. Russell) 196
Metabolism of pectin in *L. multiparus* (D. Dušková & M. Marounek) 159
Methods for *M. a. paratuberculosis* in milk (L. Dundee, I.R. Grant, H.J. Ball & M.T. Rowe) 173
Molecular markers in *S. cerevisiae* (M.A. Pérez, F.J. Gallego, I. Martínez & P. Hidalgo) 461
M. paratuberculosis in water (L.B. Whan, I.R. Grant, H.J. Ball, R. Scott & M.T. Rowe) 227
Mycorrhizal DNA extraction for PCR (S. Manian, S. Sreenivasaprasad & P.R. Mills) 307

Natural biofilm on Cu-alloyed steel (J. Kielemoes & W. Verstraete) 148
New rapid method for viable counts (D.H. Kang & G.R. Siragusa) 232
Nisin-incorporated polymer films (C.N. Cutter, J.L. Willett & G.R. Siragusa) 325
Nitrocoumarins for detection of microbial growth (A.L. James, J.D. Perry, C. Jay, D. Monget, J.W. Rasburn & F.K. Gould) 403

PCR for *Pasteurella multocida* (J.K. Miflin & P.J. Blackall) 216
Pectin lyase produced from coffee endophyte (C.C.H. Sakiyama, E.M. Paula, P.C. Pereira, A.C. Borges & D.O. Silva) 117
Phototrophs in sardine wastewater (S.A. Azad, S. Vikineswary, K.B. Ramachandran & V.C. Chong) 264
Pleomorphism of shipworm bacterium (G.M. Ferreira, S.K. Ahuja, M.R. Sierks & A.R. Moreira) 56
Production of γ-linolenic acid by *Mortierella isabellina* (M. Xian, J. Yan, Y. Kang, J. Liu, Y. Bi & K. Zhen) 367
Pullulan production by fungal mutant (T.P. West & B. Strohfus) 169

QCRS to enumerate bacterial binding (K.D. Pavey, L.-M. Barnes, G.W. Hanlon, C.J. Olliff, Z. Ali & F. Paul) 344

RAPD-generated specific DNA probes (P.-H. Wang, H.S. Lo & Y. Yeh) 397
RAPD-PCR of lactobacilli from meat (C. Andrighetto, L. Zampese & A. Lombardi) 26
Rapid enzymatic *E. coli* detection (A.H. Farnleitner, L. Hocke, C. Beiwl, G.G. Kavka, T. Zechmeister, A.K.T. Kirschner & R.L. Mach) 246
Rapid VTEC detection (K.A. Bettelheim) 31
Ready-to-eat organic vegetables (S.K. Sagoo, C.L. Little & R.T. Mitchell) 434
Recovery of viable anthrax spores (D.C. Dragon & R.P. Rennie) 100
Rhodotorula glutinis and its carotenoids (P. Bhosale & R.V. Gadre) 12

Saccharomyces D1/D2 HMA analysis (J.P. Ramos, P. Valente, R.A. de Souza, C.A. Rosa & O. Leoncini) 206
Screening for novel *cry* genes (C.E. Beard, C. Ranasinghe & R.J. Akhurst) 241
Seawater decontamination (M.P.V. Azanza, R.V. Azanza, A.I. Gedaria, H.G. Sententa & M.V. Idjao) 371
Semi-quantitative evaluation of co-aggregation (M. Nagayama, M. Sato, R. Yamaguchi, C. Tokuda & H. Takeuchi) 122
SSR markers to differentiate wine yeasts (A. González Techera, S. Jubany, F.M. Carrau & C. Gaggero) 71
Staphylococci in wild turkeys (*Meleagris gallopavo*) (L.R. DeBoer, D.M. Slaughter, R.D. Applegate, R.J. Sobieski & S.S. Crupper) 382
Storage of Gram-negative organisms from CF patients (J.E. Moore, A.B. Shaw, T. Stanley, M.J. Crowe & J.S. Elborn) 82

Utilization of chicory roots (J.W. Yun & J.P. Park) 183
Utilization of prebiotics by yeasts (G. Mitterdorfer, W. Kneifel & H. Viernstein) 251

Violacein biotransformation (N. Bromberg & N Durán) 316